

Production/Admin:
Date
Received/Costing
Initial

12/15/23

Location

Initials of receiver (if shipment OK) Level 12

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
M4130N54y8		36	0	0	36	

Discrepancies

Packing Slip: Yes ☒ No ☐
Invoice: Yes ☒ No ☐
Receipt: Yes ☒ No ☐
Cash: Yes ☒ No ☐
Cr: Yes ☒ No ☐
Release Note Attached: Yes ☒ No ☐
Waybill Attached: Yes ☒ No ☐
Shipment Complete: Yes ☒ No ☐
QC6 Inspection: Yes ☒ No ☐
Work Order: Yes ☒ No ☐
N/A ☒ N/A ☒ N/A ☒ N/A ☒

Date: 12/18/23
Supplier: M&B-PCASTLE
Batch No: M12283
Date P/O: 17688

Receiving Report

Page 1 of 1

All amounts are calculated in domestic currency.

All Vendors PO ID PO17698 Receipt Dates from 8/27/2012 to 8/27/2012 All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

[illegible]



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No: 1442322

Ship From:		Sold To:		Ship To:		Deliver To:	
A. M. Castle & Co. (Canada) Inc. MONTREAL 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped	F.O.B.	Freight Terms		Carrier		BOL No	
24-AUG-2012	ORIGIN	Prepaid		MANITOULIN		1442322-2	

Shipment Details		Final Destination Branch - MON	
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Order No	Line No	Item No	Description
2374031	1	9166	1.2500.2.0000.FLAT.17CR-4NI.STAINLESS.HR.ANN.PICKLE.132.00 00-156.0000 SPECIFICATIONS: AMS 5643
Purchase Order No	Part Number		Ordered Qty
17698			24.00 FT
Details	Invoice Qty		
Delivery No.	Mill	Heat Number	Mech Id
117896185	DUNKIRK SPECIALTY STEEL, LLC	G17439	2
			PCS
			Width (IN)
			Length (IN)
			Shipped Qty(LBS)
			148.0000
			209.6667

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.			
We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.			
Reviewed by Authorized Castle Metals Representative:		Date:	Name:

DAS
14
12/09/12



Dunkirk Specialty Steel, LLC
A Universal Stainless & Alloy Products Company
P.O. Box 319
830 Brigham Rd.
Dunkirk, NY 14048

Quality System Registered to
ISO9001 and AS9100

Material Certification

MILL ORDER: 0038518 PART NUMBER: 9166 P.O. NUMBER: 112940
P.O. DATE: 4/29/2011 PRINTED: 9/28/11 07:14
PAGE NUMBER: 1 of 1

S A.M. CASTLE & CO. 3400 N. WOLF ROAD
H T 3400 NORTH WOLF ROAD
I O
P
FRANKLIN PARK, IL 60131-1394
FRANKLIN PARK, IL 60131

MATERIAL DESCRIPTION: STAINLESS STEEL FLAT BAR 17-4 PH+AD HOT ROLLED ANNEALED PICKLED ASME SA564 (630 condition A), UNS# S17400, CASTLE AISC 3174-43 Rev. 10, ASTM A564-10 (type 630 condition A), AMS 5643R, Size: 1.2500 X 2.0000 X 132.0000 MIN / 156.0000 MAX RANDOM LENGTH

Heat Number	G17439	FNL	Wt	C	0.032	MN	0.86	SI	0.42	S	0.005	P	0.018	MO	0.09	NI	4.21	FE	0.006	CA	0.030	N	0.030	H	SE	0.001	CO	0.001	
CR	15.62	W	<0.05	V	0.04	SI	0.42	S	0.005	P	0.018	MO	0.09	NI	4.21	FE	0.006	CA	0.030	N	0.030	H	SE	0.001	CO	0.001			
CU	3.24	AL	<0.01	TI	<0.01	MG	0.01	BI	0.01	AG	0.01	0	0.01	TA	<0.01	TA	<0.01	TA	<0.01	TA	<0.01	TA	<0.01	TA	<0.01	TA	<0.01	TA	<0.01

REDUCTION RATIO: 384:1

HARDNESS: 358 BHN

H900 CAP: UTS/ KSI 204.8
%EL 14.6
%R/A 44.0
HARDNESS 405 BHN

MAGNETIC PARTICLE: E/S = 0/0

FERRITE: <5%

MICRO TEST: ACCEPTABLE

MACRO ETCH TEST: ACCEPTABLE

THIS MATERIAL WAS SOLUTION TREATED AT A MINIMUM TEMPERATURE OF 1900°F FOR AN APPROPRIATE TIME FOLLOWED BY AIR COOLING

COUNTRY OF ORIGIN: USA

Castle Metals FP

HEAT NUMBER G17439

MECHANICAL ID

ITEM CODE

9166

LOT NUMBER

112446

PO NUMBER

101511

SUPPLIER

Dunkirk

SPECIFICATION

112

COMMENT

112

APPROVED

/S/John M. Berry

/S/John M. Berry

John M. Berry, QA Technician

Date

09/28/11

Prepared by: John M. Berry, QA

Melted and manufactured in compliance with DPA5 252.225-7014 AL11, Melted by USAP in Bridgeville, PA, USA. Certification IAW DIN 50 049 / EN 10204 3.1. Material complies with EU directive 2002/95/EC (RoHS). The test results shown are certified to be a correct statement of records that were derived from testing samples of the material. Results meet applicable specifications. No welding was performed on the material supplied on this order. Material is free from mercury contamination. Material is of NAFIA origin. This material was produced under the Dunkirk Specialty Steel Quality Management System documented in QP Manual, Rev. 5 dated 7/1/2011, conforming to NCA-3800. Material testing was performed as applicable in accordance with ASTM A370, A504, A508, E8, E10, E18, E23, E45, E112, E139, E381, E572, E1019, STP-CHEM-CDS, E1444, & AMS 2315. The recording of false, fictitious, or fraudulent statements on this document may be punished as a felony under federal statutes, including Federal Law, Title 18, Chapter 47, Section 1030. Test results are maintained in company records.

**Castle Metals®**

A. M. Castle & Co.

**PACKING SLIP/
CERTIFICATE OF CONFORMANCE**

Page 1 of 1

Shipment No:1442322

Ship From: A. M. Castle & Co. (Canada) Inc. MONTREAL 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		Ship To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped 24-AUG-2012	F.O.B. ORIGIN	Freight Terms Prepaid	Carrier MANITOULIN	BOL No 1442322-2			

Shipment Details		Final Destination Branch - MON	
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Order No 2374031	Line No 2	Item No 14966	Description 0.7500.RD.17CR-4NI.STAINLESS.CF.SOL TR.COND A.T32.0000-156.0000 SPECIFICATIONS: AMS 5643				
Purchase Order No 17698	Part Number	Ordered Qty 24.00 FT	Invoice Qty 24.0000 FT				
Details			Mech Id	PCS	Width (IN)	Length (IN)	Shipped Qty(LBS)
Delivery No. 117896092	Mill TALLEY METALS, INC.	Heat Number G19124		2		144.0000	36.0000

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Reviewed by Authorized Castle Metals Representative:	Date: 12/09/12 Name:

CERTIFICATE OF TESTS

CERT SERIAL# 000820514



TALLEY METALS
A Carpenter Company

Talley Metals Technology, Inc.

205 Talley Metals Lane

McBee, SC. 29101 Tel: (610) 208-2000 (800) 338-4592

ABNAHMEPRUEFZEUGNIS

CERTIFICAT DE CONTROLE

- THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47.
- THE VALUES AND OTHER TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSES AND TESTS MADE ON SAMPLES COLLECTED FROM THE TOTAL LOT. ORIGINAL DATA RECORDS CAN BE TRACED BY REFERENCE TO THE CARPENTER ORDER NUMBER.
- MATERIAL IS MANUFACTURED FREE FROM MERCURY, RADIUM, ALPHA AND GAMMA SOURCE CONTAMINATION.
- THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF CARPENTER TECHNOLOGY CORPORATION.

05/07/12

CUSTOMER / BESTELLER / CLIENT

SELLER / VERKÄUFER / VENDEUR PAGE 1 OF 2

A.M. CASTLE & CO

3400 N WOLF RD
FRANKLIN PARK

IL 60131

HVL

CUSTOMER ORDER NO. / BESTELL-NR. / N° DE COMMANDE	CARPENTER NO. / WERKS-NR. / N° DE REFERENCE INTERNE	DATE / DATUM / DATE	WEIGHT / GEWICHT / POIDS
157610-006	W54959	05/07/12	3434.000

HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE:

G19124

UNS NUMBER S17400

PRODUCT DESCRIPTION: TYPE 17-4 SOLUTION ANNEALED COLD FINISH
----- PART NUMBER: IAC 14966

SPECIFICATION: CASTLE 3174-03 REV 25 (08/18/11)
----- AMS 2303 REV F (08/ /10)
AMS 5643 REV R (02/ /08) (UNS S17400) (AISI 630)
ASTM-A564-10
ASME-SA564 2011 EDITION

SIZE 0.750000 IN. (19.05 MM) RD BAR

PRIMARY HEAT CHEMISTRY (WT%): (TEST METHOD IS SHOWN IN PARENTHESIS)

C (COM)	MN (XRF)	SI (XRF)	P (XRF)	S (COM)	CR (XRF)
0.03	0.86	0.32	0.018	0.025	15.22
NI (XRF)	MO (XRF)	CU (XRF)	N (FUS)	CB (XRF)	TA (XRF)
4.20	0.26	3.71	0.030	0.24	LT .01
CB+TA					
0.25					

THIS HEAT MELTED BY THE ELECTRIC ARC/AOD PROCESSES
NO WELD REPAIR.

MATERIAL IS MANUFACTURED FREE FROM MERCURY, RADIUM AND ALPHA SOURCE
CONTAMINATION.

EDDY CURRENT TEST PERFORMED

HOT REDUCTION RATIO = 36:1

MILL HEAT TREATMENT:

TYPE ANNEAL
TEMP 1900F (1037C)
TIME (BATCH FURNACE) 1.30 HOURS
QUENCH WATER

DISCS MACROETCHED AND APPROVED

HARDNESS AS SHIPPED, HBW -

336

(MIDRADIUS)

MAGNETIC PARTICLE: FREQUENCY = 0 / SEVERITY = 0

MICROSTRUCTURE - FERRITE

1.03%

CONTINUED ON NEXT PAGE

This certification is made to the customer printed on this form. Carpenter neither makes, nor assumes responsibility for, any representation or certification to other parties.
Die vorliegende Zertifizierung ist nur für den in diesem Zertifikat genannten Kunden gültig. Carpenter übernimmt gegenüber Dritten keinerlei Haftung für die ausgewiesenen Daten oder Zertifizierungen.
Ce certificat est uniquement valable pour le client dont le nom est inscrit sur ce formulaire. Carpenter n'assume pas de responsabilité pour une certification vis-à-vis d'une tierce personne.

CERTIFICATE OF TESTS

CERT SERIAL# 000820514



TALLEY METALS
A Carpenter Company

Talley Metals Technology, Inc.
205 Talley Metals Lane
McBee, SC. 29101 Tel: (610) 208-2000 (800) 338-4592

05/07/12

CUSTOMER / BESTELLER / CLIENT

A.M. CASTLE & CO

3400 N WOLF RD
FRANKLIN PARK IL 60131

ABNAHMEPRUEFZEUGNIS

CERTIFICAT DE CONTROLE

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SELLER / VERKÄUFER / VENDEUR PAGE 2 OF 2

HVL

CUSTOMER ORDER NO. / BESTELL-NR. / N° DE COMMANDE	CARPENTER NO. / WERKS-NR. / N° DE REFERENCE INTERNE	DATE / DATUM / DATE	WEIGHT / GEWICHT / POIDS
157610-006	W54959	05/07/12	3434.000

HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE :
CAPABILITY

900 F (482 C), 01 HR

G19124

UNS NUMBER S17400

AIR COOL

(T) RANSVERSE (L) ONGITUDINAL
YIELD STRENGTH, (0.20 %) KSI (MPA)
TENSILE STRENGTH, KSI (MPA)
ELONGATION IN 1.40", %
REDUCTION OF AREA, %
HARDNESS, HBW

L
193.0 (1331)
204.0 (1407)
11.0
54.0
404.0

(CONVERTED FROM TENSILE STRENGTH)

NO WELD REPAIR PERFORMED

MATERIAL PRODUCED ON THIS ORDER WAS MELTED AND MANUFACTURED IN THE U.S.A. MATERIAL HAS BEEN MELTED IN USA OR QUALIFYING COUNTRY TO DFARS REQUIREMENTS 252.225-7014 WITH ALTERNATE 1 FOR QUALIFYING COUNTRY 225.872.1, SUPERSEDED BY DFARS REQUIREMENTS DFARS 252.225-7008 AND 252.225-7009. THIS ORDER WAS MANUFACTURED IN ACCORDANCE WITH CARPENTER SPECIALTY ALLOYS OPERATIONS QUALITY PROGRAM MANUAL, REVISION 30 DATED 09/28/11.

WE HEREBY CERTIFY THAT THE ABOVE TEST DATA ARE IN ACCORDANCE WITH THE PURCHASE ORDER AND SPECIFICATION REQUIREMENTS. CERTIFICATE OF TEST IS PREPARED IN ACCORDANCE WITH PARAGRAPH 3.1 OF EN 10204 (DIN50049)

STEPHANIE E. MCCULLUM
QUALITY ASSURANCE ENGINEER
CARPENTER TECHNOLOGY CORPORATION

2/10/12

Stephanie McCullum



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No: 1442322

Ship From: A. M. Castle & Co. (Canada) Inc. MONTREAL 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		Ship To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped 24-AUG-2012	F.O.B. ORIGIN	Freight Terms Prepaid	Carrier MANITOULIN	BOL No 1442322-2			

Shipment Details	Final Destination Branch - MON
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Order No 2374031	Line No 3	Item No 15043	Description 0.3750.RD.304/304L STAINLESS.CF.ANN.132.0000-156.0000 SPECIFICATIONS: ASTM A276			
Purchase Order No 17698	Part Number	Ordered Qty 48.00 FT	Invoice Qty 48.0000 FT			
Details				Width (IN)	Length (IN)	Shipped Qty(LBS)
Delivery No. 117896135	Mill NORTH AMERICAN STAINLESS	Heat Number B3B1	Mech Id	PCS 4	144.0000	18.0480

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.	
We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	Date: 14/12/09/12 Name:

Castle Metals FP

HEAT NUMBER B381
MECHANICAL ID _____
ITEM CODE 15043
LOT NUMBER _____
PO NUMBER 145984
RECEIPT DATE 2-10-12
SUPPLIER NAS
SPECIFICATION _____
LCS NO
COMMENT _____
APPROVED DJ



27
1

Certificate: 709423 17 Mail To: Ship To: Date: 2/07/2012 Page: 1 Of 1
 A.M. CASTLE AND COMPANY A.M. CASTLE AND COMPANY Steel: 304/304L
 1420 KENSINGTON ROAD-SUITE 220 3400 NORTH WOLF ROAD Finish: Cold Draw
 OAK BROOK IL 60523 FRANKLIN PARK IL 60131 Dia/Thk: .3750 in

 Customer: 0032 001 Leg Length: 144.00 in
 NAS Order: LN 79853 3 Corrosion: ASTM A262 Prac A/E OK
 Item Code: 15043

REMARKS:

COMPLIES W/REQUIREMENTS OF DEARS EU DIRECTIVE 2002.95.
EC. ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG IN USA
FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

PRODUCT DESCRIPTION:

ASTM A193/10a-ASME SA193/10 CL 1 GR B8(EXC PAR 7.2)
GRAIN SIZE= 4-5
Round Bar, Annealed, Cold Draw
UNS 30400/30403 EN 10204 3.1, ASTM A484/10
ASTM A276/10, ASTM A479/10a, ASTM A182/10 CHEM ONLY,
ASTM SA479/10a, ASME SA182/10 CHEM ONLY
AMS 5639H, AMS 5647J, AMS QQS-763B, QQS-763F

Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
BE36080	1.706								

CHEMICAL ANALYSIS

[illegible]

MECHANICAL PROPERTIES

	I d	HB	.2YS KSI	UTS KSI	RA %	Elong % 2"
	o i	No.				
	G F					
EE36080	R L	208.0	92.29	112.25	69.12	41.00

12/09/12

NAS hereby certifies that the analysis on this certification is correct and the material meets the specifications stated.

Technical Dept. Mgr.

FRTC HESS

DART Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER
Purchase Order ID PO17698
Purchase Order Date 8/16/12
PO Print Date 8/16/12
Page Number 1 of 2

Order From : VC-MET001
METAUX CASTLE
A.M. CASTLE & CO. (CANADA) INC. - BOX B9204 PO BOX 9100
TORONTO, ON M4Y 3A5
CA

Contact Name
Vendor Phone 514 694 9575
Vendor Fax 514 695 3281
Vendor Account Nbr
Buyer Chantal Lavoie
Requisition Nbr 10127-2607
Tax Resale Nbr Net 30
Terms CAD
Currency Destination-Collect
FOB

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAX
1-877-201-6811

Line Nbr	Reference	Revision ID	Vendor Part Number	Description/ Mfg ID	Reg Date/ Taxable	Reg Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M174B1.250X02.000			17-4 SS Bar 1.250 x 2.0	8/29/12	24.00	Yours ppd	\$46,3500	\$1,112.40
Special Inst: MATERIAL: 17-4 PH SS BAR AS PER AMS 5604/5643 GRAIN MUST BE ALONG LENGTH OF BAR MINIMUM YIELD TENDILE STRENGTH = 100 KSI MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI									
2	M174R0.750			17-4 round bar .750	8/29/12	24.00	Yours ppd	\$5,6500	\$135.60
Special Inst: MATERIAL: 17-4 PH/S17400 TYPE 630 SS ROUND BAR AS PER AMS 5643 OR ASTM A564									
3	M304R0.375			304 ROUND BAR 0.375	8/29/12	48.00	Yours ppd	\$1,3900	\$66.72
Special Inst: MATERIAL: 17-4 PH/S17400 TYPE 630 SS ROUND BAR AS PER AMS 5643 OR ASTM A564									

Change Nbr: 1
Change Date: 8/16/12
No substitution or deviation without consent.
Certificate of Conformity of Material
YES
NO
Certification required

DART aerospace

Purchase Order Date 8/16/12
PO Print Date 8/16/12

Order From : METAUX CASTLE
A.M. CASTLE & CO. (CANADA) INC. - BOX B9204 PO BOX 9100
TORONTO, ON M4Y 3A5
CA

Chantal Lavoie
10127-2607
Net 30
CAD
Destination-Collect

MATERIAL CERTIFICATION
READ UPON DELIVERY

2012/09/12

No substitution or deviation without consent.

Certificate of Conformity of Material

Certification required - YES ☒ NO ☐